

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 23. (Currently amended) A method for inducing apomixis in a plant cell comprising introducing into a responsive plant cell ~~at least one CHD polypeptide or at least one CHD downregulation (CHD-DR)~~ polynucleotide comprised by SEQ ID NO: 1 to produce a transformed plant cell and growing the transformed plant cell under conditions sufficient to produce a transformed ~~somatic-embryo plant~~ plant which reproduces apomictically.

48. (New) A method for inducing apomixis in a plant comprising transforming a responsive plant cell with at least one CHD polynucleotide functional equivalent, comprising a polynucleotide of SEQ ID NO: 1 or a fragment thereof, and growing the transformed plant cell under conditions sufficient to produce a transformed plant which reproduces apomictically.

49. (New) A plant produced by the method of Claim 48.

50. (New) A method for inducing apomixis in a plant comprising transforming a responsive plant cell with at least one CHD-silencing construct, comprising the polynucleotide of SEQ ID NO: 1 or a fragment thereof, and growing the transformed plant cell under conditions sufficient to produce a transformed plant which reproduces apomictically.

51. (New) A plant produced by the method of Claim 50.